IN THE CLAIMS

Applicant has submitted a new complete claim set showing original and canceled claims.

Please cancel claims 12, 13, 16-19, 21-23, 25-26, 28-29, and 31-58 without prejudice or disclaimer.

1. (Original) A method for enhancing the function of a biological sample comprising contacting the biological sample with a solution comprising pyruvate, inosine, adenine, phosphate and an aziridino compound.

2. (Original) A method for enhancing the function of a biological sample comprising contacting the sample with a solution comprising pyruvate, inosine, adenine, and phosphate, then contacting the sample with an effective amount of an aziridino compound.

3. (Original) A method for enhancing the function of a biological sample comprising contacting the sample with an effective amount of an aziridino compound, then contacting the sample with a solution comprising pyruvate, inosine, adenine, and phosphate.

4. (Original) The method of claim 3, wherein the biological sample contains cells and wherein the cell-containing sample is contacted with pyruvate, inosine, adenine and phosphate during a step of cell washing.

5. (Original) The method of any of claims 1-3, wherein the pyruvate is present in the solution at a concentration of about 0.4 grams/liter to about 40 grams/liter.

6. (Original) The method of any of claims 1-3, wherein the inosine is present in the solution at a concentration of about 1 grams/liter to about 100 grams/liter.

7. (Original) The method of any of claims 1-3, wherein the adenine is present in the solution at a concentration of about 0.027 grams/liter to about 2.7 grams/liter.

8. (Original) The method of any of claims 1-3, wherein the phosphate is present as a dibasic phosphate at a concentration of about 0.4 grams/liter to about 40 grams/liter.

9. (Original) The method of any of claims 1-3, wherein the phosphate is present as a monobasic phosphate at a concentration of about 0.16 grams/liter to about 16 grams/liter.

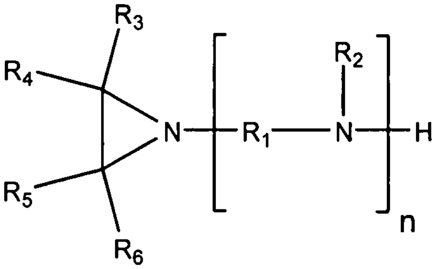
10. (Original) The method of any of claims 1-3, wherein the aziridino compound is present at a concentration of about 0.01 mM to about 100 mM.

11. (Original) The method of claim 1, wherein the pyruvate is present in the solution at a concentration of about 2.75 grams/liter to about 6.05 grams/liter, the inosine is present in the solution at a concentration of about 6.70 grams/liter to about 14.74 grams/liter, the adenine is present in the solution at a concentration of about 0.17 grams/liter to about 0.37 grams/liter, the phosphate is present as a dibasic phosphate at a concentration of about 2.5 grams/liter to about 5.5 grams/liter and a monobasic phosphate at a concentration of about 1.0 grams/liter to about 2.2 grams/liter and the aziridino compound is present at a concentration of about 2.5 mM to about 55.0 mM.

12.-13. (Canceled)

14. (Original) The method of any of claims 1-3, wherein the biological sample comprises one or more red blood cells.

15. (Original) The method of any of claims 1-3, wherein the aziridino compound contains a linear alkyl group.



(II)

16.-19. (Canceled)

20. (Original) The method of claim 15, wherein the aziridino compound is an ethyleneimine oligomer.

21.-23. (Canceled)

24. (Original) The method of claim 14, wherein the pyruvate, inosine, phosphate, adenine and aziridino compound increase the amount of 2,3- DPG levels in the red blood cells relative to the amount of 2,3- DPG in red blood cells not contacted with the pyruvate, inosine, adenine, phosphate and aziridino compound.

25.-26. (Canceled)

27. (Original) The method of claim 14, wherein the pyruvate, inosine, phosphate, adenine and aziridino compound increase the amount of ATP in the red blood cells relative to the amount of ATP in red blood cells not contacted with the pyruvate, inosine, adenine phosphate, and aziridino compound.

28.-29. (Canceled)

30. (Original) The method of claim 24, wherein the pyruvate, inosine, phosphate, adenine and aziridino compound increase the P50 level in the red blood cells relative to the P50 level in red blood cells not contacted with the pyruvate, inosine, phosphate, adenine and aziridino compound.

31.-58. (Canceled)